## We Claim:

An apparatus comprising: 1 1. a first substrate having a first surface and a second surface; 2 a second substrate, having a third surface and a fourth surface, coupled to said first 3 substrate; an electrical connection coupling said first surface of said first substrate to said 5 third surface of said second substrate; and 6 a flow modifier on said first surface of said first substrate extending to at least a 7 height even with said third surface of said second substrate. 2. The apparatus of claim 1 further comprising a molding compound between said first substrate and said second substrate. 2 3. The apparatus of claim 1 further comprising a molding compound on said fourth surface of said second substrate. 2 4. The apparatus of claim 1 wherein said second substrate is a flip chip. 5. The apparatus of claim 1 wherein said flow modifier is solder resist mask. The apparatus of claim 1 wherein said electrical connection is a solder bump. 6.

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The apparatus of claim 6 wherein said solder bump comprises lead and tin.

- 1 8. The apparatus of claim 6 wherein a height of said solder bump is approximately in
- a range of 25 microns to 100 microns.
- 1 9. The apparatus of claim 1 wherein said flow modifier extends to a height
  - 2 approximately in a range of 75 microns to 400 microns.
  - 1 10. The apparatus of claim 1 further comprising a third substrate coupled to said first
  - 2 substrate.
  - 1 11. The apparatus of claim 10 wherein said flow modifier on said first substrate
- 2 extends between said second substrate and said third substrate.
  - 12. A method comprising:
- 2 providing a first substrate;
- 3 predetermining a device placement location for a second substrate to be coupled to
- 4 said first substrate;
- 5 predetermining a flow modifier height at least equal to a distance from a bottom
- 6 surface of a second substrate used to couple said second substrate to said first substrate, to
- 7 a top surface of said first substrate that is coupled to said second substrate;
- 8 coupling a flow modifier to said first substrate substantially around said device
- 9 placement location and extending to a height substantially equal to said predetermined
- 10 flow modifier height;
- 11 coupling said second substrate to said first substrate at said device placement
- 12 location;
- applying a first molding compound over said second substrate; and

- applying a second molding compound between said first substrate and said second substrate.
- 1 13. The method of claim 12 wherein said flow modifier height is a distance
- 2 approximately between 75 microns and 400 microns.
- 1 14. The method of claim 12 further comprising applying a low pressure over said
- 2 substrates.
- 1 15. The method of claim 12 wherein said applying the first molding compound over
- said second substrate and applying said second molding compound between said first
- 3 substrate and said second substrate happen at substantially the same time.
- 1 16. The method of claim 12 wherein applying said first molding compound over said
  - 2 second substrate happens before applying said second molding compound between said
  - 3 first substrate and said second substrate.
  - 1 17. The method of claim 12 wherein applying said first molding compound over said
  - 2 second substrate happens after applying said second molding compound between said
  - 3 first substrate and said second substrate
  - 1 18. The method of claim 12 wherein the second substrate has not been coupled to said
  - 2 first substrate before said flow modifier is deposited.
  - 1 19. The method of claim 12 wherein said flow modifier is placed substantially around
  - 2 said device placement locations.

- 1 20. A system comprising:
- 2 a molded matrix array package;
- a first substrate coupled to said molded matrix array package;
- a second substrate coupled to said first substrate; and
- a flow modifier coupled to said first substrate extending to a height at least equal
- 6 to a distance from a bottom surface of said second substrate used to couple said second
- substrate to said first substrate, to a top surface of said first substrate that is coupled to
- 8 said second substrate.
- 1 21. The system of claim 20 further comprising a molding compound between said
- 2 first substrate and said bottom surface of said second substrate.
- 1 22. The system of claim 20 further comprising a molding compound on said top
- 2 surface of said second substrate.
- 1 23. The system of claim 20 wherein said second substrate is a flip chip.
- 1 24. The system of claim 20 wherein said height of said flow modifier is
- 2 approximately between 75 microns and 400 microns.
- 1 25. The system of claim 20 further comprising a third substrate coupled to said first
- 2 substrate.

- 1 26. The system of claim 25 wherein said flow modifier coupled to said first substrate
- 2 covers a surface of said first substrate between said second substrate and said third
- 3 substrate.
- 1 27. A machine-readable medium that provides instructions, which when executed by a
- 2 machine, cause said machine to perform operations comprising:
- 3 providing a first substrate;
- 4 predetermining a device placement location for a second substrate to be coupled to
- 5 said first substrate;
- 6 predetermining a flow modifier height at least equal to a distance from a bottom
- 3 surface of a second substrate used to couple said second substrate to said first substrate, to
- a top surface of said first substrate that is coupled to said second substrate;
  - 9 coupling a flow modifier to said first substrate substantially around said device
- 10 placement location and extending to a height substantially equal to said predetermined
- 11 , flow modifier height;
- 12 coupling said second substrate to said first substrate at said device placement
- 13 location;
- applying a first molding compound over said second substrate; and
- applying a second molding compound between said first substrate and said second
- 16 substrate.
- 1 28. The machine readable medium of claim 27 wherein said applying the first
- 2 molding compound over said second substrate and applying the second molding
- 3 compound between said first and second substrate happen at substantially the same time.

1	29.	The machine readable medium of claim 27 wherein said second substrate may be	е
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2 coupled to said first substrate before said flow modifier is coupled to said first substrate.